Journal of Engineering for Gas Turbines and Power

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Yu, Daren, Liu, Xiaofeng, Bao, Wen, and Xu, Zhiqiang — Multiobjective Robust Regulating and Protecting Control for Aeroengines. **131**, 061601
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Zadpoor, Amir Abbas, and Nikooyan, Ali Asadi — Development of an Improved Desiccant-Based Evaporative Cooling System for Gas Turbines. **131**, 034506(TB)
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